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NEWSLETTER

of the

Hawaiian Botanical Society

VOLUME XI
NUMBER 3
JUNE, 1972

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SPECIAL SUBJECT

THE HAWAIIAN BOTANICAL SOCIETY CONSTITUTION

(As amended 5 June, 1972)

ARTICLE I. Name

The name of this organization shall be "The Hawaiian Botanical Society."

ARTICLE II. Objectives

The objectives of this Society shall be:

a. To advance the science of Botany in all its applications.
b. To encourage research in Botany in all its phases.
c. To promote the botanical welfare of its members and to develop the spirit of good fellowship and cooperation among them in botanical matters.

ARTICLE III. Membership

Section 1. The Society shall consist of active members and Honorary Members.
Section 2. Any person who is interested in Plant Life of the Hawaiian Islands is eligible for membership in this Society.

ARTICLE IV. Officers

Section 1. The officers of the Society shall be a President, a Vice-President, a Secretary, a Treasurer, and two Directors, which together with the editor of the Newsletter and the chairman of the membership committee shall constitute the Executive Board.

Section 2. The officers shall be elected at the Annual Meeting each year. The term of office shall be one year, or until the next Annual Meeting. However, the officers shall continue in office until their successors are elected.

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Section 3. Election of all officers and directors shall be by ballot. If there is but one nominee for an elective position, it shall be the duty of the Secretary to cast the elective ballot for the nominee.

Section 4. The President or Vice-President may not succeed himself in office except as hereinafter provided. (By-Laws Art. IV--duties of Vice-President)

Section 5. No member shall hold more than one office at a time.

Section 6. If a vacancy occurs in any office except that of President, a successor thereto shall be elected at the regular meeting following that at which the vacancy has been declared.

Section 7. The officers shall perform the duties prescribed for them in Robert's Rules of Order and as may be prescribed in the By-Laws or as ordered by the Society.

ARTICLE V. Annual Meeting

Section 1. The Society year shall run from December 1 to November 30.

Section 2. The December meeting shall be known as the Annual Meeting. If unusual circumstances prevent the holding of this meeting, a special or regular meeting shall be held as soon as possible thereafter, to be designated as the Annual Meeting.

ARTICLE VI. General Prohibitions and Distribution on Dissolution

Section 1. General Prohibitions. Notwithstanding any provision of the Constitution or By-Laws which might be susceptible to a contrary construction:

a. The Hawaiian Botanical Society shall be organized exclusively for scientific and educational purposes;

b. The Hawaiian Botanical Society shall be operated exclusively for scientific and educational purposes;

c. No part of the net earnings of the Hawaiian Botanical Society shall or may under any circumstances inure to the benefit of any private shareholder or individual;

d. No substantial part of the activities of The Hawaiian Botanical Society shall consist of carrying on propaganda, or otherwise attempting to influence legislation;

e. The Hawaiian Botanical Society shall not participate in, or intervene in (including the publishing or distributing of statements) the political campaign on behalf of any candidate for public office;

f. The Hawaiian Botanical Society shall not be organized or operated for profit; it is the intention that The Hawaiian Botanical Society shall be organized and operated exclusively for scientific and educational purposes within the meaning of Section 501 (c)(3) of the Internal Revenue Code of 1954;

g. The Hawaiian Botanical Society shall not:

1. lend any part of its income or corpus, without the receipt of adequate security and a reasonable rate of interest to;

2. pay any compensation, in excess of a reasonable allowance for salaries or other compensation for personal service actually rendered to;

3. make any part of its services or any other property, for more than adequate consideration in money or money's worth from;

4. make any purchase of securities or any other property, for more than adequate consideration in money or money's worth from;

5. sell any securities or other property for less than adequate consideration in money or money's worth to; or

6. engage in any other transactions which result in substantial diversions of its income or corpus to; any officer, member of the Executive Board, or substantial contributor to The Hawaiian Botanical Society.

The prohibitions contained in this subsection (g) do not imply that The Hawaiian Botanical Society may make such loans, payments, sales or purchase to anyone else, unless such authority be given or implied by other provisions of the Constitution or By-Laws.

Section 2. Distribution on Dissolution. Upon dissolution of The Hawaiian Botanical Society, the Executive Board shall distribute the assets and accrued income to one or more organizations as described in Section 501 (c)(3) of the Internal Revenue Code of 1954 as determined by the Executive Board, but which organization or organizations shall meet the limitations prescribed in subsections (a) - (g) inclusive, of Section 1, Article VI, immediately preceding.

ARTICLE VII. Amendment

This Constitution may be amended at any regular meeting of the Society by a two-thirds vote of all members present, provided that the amendment has been presented at the previous regular meeting.

BY-LAWS

ARTICLE I. Membership

Section 1. Any person interested in the objectives of this Society may be admitted to active membership upon presentation of an appropriate application to a member of the Membership Committee and upon payment of dues for one year. The Membership Committee shall present the names of new members to the Society at its next regular meeting.

Section 2. The title of Honorary Member may be conferred on any person whose achievements in Botany and related sciences in the Islands may be considered as entitled to such special recognition. An Honorary Member shall be entitled to all the privileges of membership. Election to Honorary Membership shall be as hereinafter provided.

Section 3. Nomination to Honorary Membership shall be made in writing to any member of the Executive Board and must receive a two-thirds endorsement of the Executive Board before the person so nominated may be eligible for election. The Secretary shall report the name of the eligible nominee to the Society. Election of a candidate for Honorary Membership shall be so notified in writing by the Secretary of the Society.

Section 4. Any member, for a reason satisfactory to the Society, may be dropped from the membership roll by a two-thirds vote of the members present at any regular meeting.

ARTICLE II. Meetings

Section 1. Regular meetings shall be held the first Monday of each month where such Monday is not a legal holiday, except during the months of July, August and September, and except as hereinafter provided.

Section 2. Field trips may be made in place of regular meetings at a time and place decided by the Society at a previous regular meeting.

Section 3. Special meetings may be called by the President, or by the Executive Board, or on the request of nine (9) active members.

Section 4. A botanical program shall be a feature of every regular meeting.

Section 5. Programs may be presented at regular meetings even though a quorum be not present.

Section 6. A quorum for the transaction of Society business shall consist of thirteen (13) members. A quorum of the Executive Board shall consist of three (3) members, one of whom shall be either the President or the Vice-President.

ARTICLE III. Order of Business

The order of business shall be:

1. Introduction of guests.
2. Reading and approval of Minutes of the Previous Meeting.
3. Reports of officers, Executive Board, and Standing Committees.
4. Reports of Special Committees.
5. Unfinished business.
6. New business.
7. Scientific program.

ARTICLE IV. Duties of Officers

The President shall preside at the meetings of the Society, perform other duties provided for in these By-Laws, and carry out such other functions as usually pertain to the chief officer of such a Society. At the regular meeting in October, or two months before the Annual Meeting, he shall appoint an Auditor and a Nominating Committee.

The Vice-President shall perform the functions of the President in the absence or incapacity of the latter. In the event of the resignation or death of the President, the Vice-President shall become President for the unexpired portion of the term. He is not thereby rendered ineligible for a full term as President (See Constitution ARTICLE IV, Sec. 4).

The Secretary shall be the custodian of the records and papers of the Society, shall keep a record of the proceedings of the Society, and shall present a written Annual Report of the year's activities at the Annual Meeting. He shall deposit all permanent records of the Society at the Sinclair Library of the University of Hawaii.

The Treasurer shall receive the funds of the Society, keep a detailed account of the receipts and expenditures and render a written report of the Annual Meeting. He shall provide a list of members in good standing at the Annual Meeting.

Each officer shall prepare a list of his year's duties to be included in his files.

ARTICLE V. Executive Board

The President, Vice-President, Secretary, Treasurer, Membership Chairman, Editor of the Society Newsletter, and two Directors shall constitute the Executive Board. The Executive Board shall plan the programs of the meetings and execute the mandates of the Society.

ARTICLE VI. Committees

Section 1. Membership Committee. Directly after the Annual Meeting, the President shall appoint a Membership Committee composed of a chairman and two or more members. This committee shall construct and distribute membership application forms, maintain a list of members, inform the secretary and treasurer of additions to this list, and notify members who have been dropped from membership.

Section 2. The Nominating Committee shall present its report one month before the Annual Meeting.

Section 3. The Auditor shall audit the books of the Treasurer and shall report the findings to the Society at the first meeting subsequent to the Annual Meeting.

Section 4. Other committees may be appointed as directed by the Society or by the Executive Board.

ARTICLE VII. Dues

Section 1. The annual dues of active members shall be five dollars ($5.00); the active dues for families shall be seven dollars and fifty cents ($7.50); the dues of active members who are duly registered students in a bona fide educational institution of higher learning shall be two dollars ($2.00); the dues of active junior members in elementary, intermediate, or high school shall be one dollar ($1.00). Dues shall be payable on December 1 or upon subsequent request of the Treasurer. Any new member paying his first year's dues between September 1 and November 30 shall be considered a paid-up member throughout the subsequent Society year. Only members in good standing shall be eligible to vote on any question brought before the Society.

Section 2. Honorary Members shall be exempt from payment of dues.

Section 3. Any member in arrear of dues six months after the start of the Society year, provided the Treasurer shall have sent him a second notice of dues, may be dropped from the rolls at the discretion of the Executive Board upon recommendation of the Treasurer.

Section 4. Special cases for reduction or remission of dues not included in the foregoing provisions may be decided by the Society at any regular meeting.

ARTICLE VIII. Parliamentary Authority

Robert's Rules of Order shall govern the Proceedings of the Society, except in such cases as are covered in the Constitution, and By-Laws or as ordered by the Society.

ARTICLE IX. Amendment

These By-Laws may be amended at any regular meeting of the Society by a two-thirds vote of all members present, provided that the amendment has been submitted and read at the previous regular business meeting.

EVENTS

Two Summer Forays!

1. 9 July, Sunday - John Obata, leader.
   To Paleha (south end of Waianaes).
   Meet at HSPA, 8:30 a.m., return 3 p.m.
   Bring lunch, water.

2. 12 August, Saturday - Evangeline Funk, leader.
   To Makiki Valley, Lower and upper areas.
   Meet at Division of Forestry nursery in Makiki (not Choi's), 9 a.m., back by 3.
   Bring lunch, water.

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Scientists on the move; Who, where, why

(Note: see also South Pacific Newsletter, Green Sheet and U. H. Faculty Bulletin.)

N. F. Kefford, Chairman of Botany Department, U. H., to California, month of July--"recruiting new staff members, reading, writing, and 'recreating'" (he means, having a little fun, too!).

Gladys E. Baker, U. H., continuing mycological research on her IBP (International Biological Program) project. Fungi associated with leaves of Metrosideros collina var. polymorpha and Acacia koa growing along the Mauna Loa transect in Hawaii National Park. The transect covers an elevation gradient from 2,000 to 8,250 feet.

July 23, a three-weeks' trip to Micronesia, Ponope, Truk, Saipan, Korror, Yap, Guam, and Majuro. Vacation and collecting soils and beach sands for studies devoted to fungi of the Pacific, and their distribution in these habitats.

Al Chock, former member of the Botany Department, U. H., now in the Federal Plant Quarantine Division, ARS, USDA, in Baltimore, Maryland, will return to Campus to teach ethnobotany and identification of tropical plants, first session of summer school.

William Rose, Exploratory Entomologist, Hawaii Department of Agriculture, is overseas looking for predators and parasites of the very damaging monkey pod defoliator, Melipotis indomita. To Guatamala, El Salvador, Mexico and Texas where species of pithecellobium occur naturally.

Sandy M. Siegel, and his wife Barbara Z. Siegel of the Microbiology Department, U.H., a research expedition under auspices of National Geographic Society, Cotrell Foundation, and University of Hawaii Foundation, to Iceland and Alaska; to study (1) mercury emissions from volcanoes, (2) the microenvironmental parameters of the relict fossil, Kakabekia barghooriana--a cryophile, and (3) speciation in insular volcanic environments--a comparative study between Hawaii and Iceland.

Clifford Smith "home" to Wales for a month's visit, June. On return, research on lichens and the effect of usnic acid on cell permeability.

William Theobald, U. H., summer travelling to all the Islands, collecting information and specimens for the "Hawaiian Flora" he is writing for botany students.

Dr. Yen, Bishop Museum, to Ryukuyus, (15 June - 15 July) to work with Dr. Pearson,

University of British Columbia on ethnobotanical aspects associated with an archaeology project there. Then, to the Phillipines, 15 July - 15 Aug., ground work for a cultural anthropology of recently discovered cave people.

Roger G. Skolmen, Wood Utilization Specialist, Institute of Pacific Islands Forestry, to Eastern U. S. to observe and study recent advances in utilization of wood.

Paul H. Dunn, graduate student in mycology, working under Dr. Baker, and research assistant in the IBP program: July 26 for a month on Eniwetok Atoll, Marshall Islands, continue research on fungi of marine beaches.

Douglas Friend, U. H., Honolulu all summer on (1) the growth of tree-fern gametophytes; (2) effects of light intensity on tree-fern sporophytes (an IBP project); (3) photoperiodic responses of Brassica; and (4) tillering in sorghum (in anticipation of this becoming an important crop plant in Hawaii).

Charles H. Lamoureux, Botany, U. H., in Honolulu, and on island of Hawaii, continuing studies of phenology and growth of various Hawaiian plants, including koa, mamane, lama, wiliwili, 'olapa, and naio; research supported by IBP. About mid-August, with family to Bogor, Indonesia, one year sabbatical at Lembaga Biologi Nasional (National Biological Institutes of Indonesia). Research on relationships between phenology and cambial activity in tropical trees. In January and February, 1973: teaching in a training program in plant microtechnique for botanists from southeast Asia countries, sponsored by BIOTROP, the Regional Center for Tropical Biology, at Bogor.

Bea Krauss

Research grants to Hawaii from U. S. Forest Service

The University of Hawaii and Bishop Museum are recipients of grants recently awarded by the Forest Service. Major emphasis is being directed toward determination of the causes of dying of ohia and koa on the Island of Hawaii. One grant of $93,000 is for a 3-year program to be directed by Franklin Laemmlen, Assistant Professor of Plant Pathology, U. H. Another is for $18,500 to Bishop Museum for a study of cerambycids and other wood boring beetles which attack koa and ohia. J. Linsley Gressitt and Alan Samuelson are co-directors of this study and William Ruffin will carry out the field work. Clifton J. Davis, Chief Entomologist, Hawaii Dept. of Agriculture, will cooperate.

Smaller grants to U. H. will be used by James Brewbaker and Samir El Swaifey for investigations of genetic studies of koa and of soil hydrology, respectively.

Principals involved in negotiating these contracts include Spencer Marshall, Assistant Director, Forest Service Experiment Station, Berkeley; Robert E. Nelson, Director, Institute of Pacific Islands Forestry; L. D. Swindale, Assoc. Director, Tropical Agricultural Experiment Station, U. H.; and Roland Force, Director, Bishop Museum.

Research on extent and spread of ohia decline is being done by Robert Burgan, Institute of Pacific Islands Forestry and Edwin Q. P. Petteys, Hawaii Division of Forestry. Robert V. Bega, Forest Service Pathologist, Berkeley, will take part in the study of causes. Tom K. Tagawa, State Forester, and Libert K. Landgraf, District Forester at Hilo, Division of Forestry, are giving financial and logistical support to all of the investigators. Thus, the inquiry into ohia decline is now in progress.

More plants from Kahoolawe

District Forester Wesley H. C. Wong, Maui, visited Kahoolawe in April to check on revegetation studies of the Division of Forestry and U. S. Forest Service. He reported seeing the following plants which were last reported there in 1913.

Nohu	Tribulus cistoides
Mao	Abutilon incanum
Mao	Gossypium tomentosum

Award: Senior Most likely to reflect credit on Botany

Diana Wong was selected as this year's recipient. This was announced at meeting, 5 June, 1972. Miss Wong graduated in December with a 3.4 grade average.

Resolution Regarding Botanical Value of Ala Moana Park, Honolulu

(Adopted unanimously at the March 6, 1972, regular meeting of the Hawaiian Botanical Society)

WHEREAS Ala Moana Park contains one of the finest collection of tropical seashore trees anywhere in the United States; and

WHEREAS Ala Moana Park serves as one of the major recreational and aesthetic outlets for citizens and visitors in Hawaii;

BE IT RESOLVED that the Hawaiian Botanical Society recognizes Ala Moana Park as a major State Botanical Resource and Treasure; and

BE IT FURTHER RESOLVED that Hawaiian Botanical Society is also opposed to any destruction of this resource; and

BE IT FURTHER RESOLVED that copies of this document be sent to Governor Burns, Senator McClung, Representative Beppu, Mayor Fasi, the City Council, Senator Inouye, Senator Fong, Congressman Matsunaga, and Congresswoman Mink.

Ecology Tour

On 27 and 28 March, Dieter Mueller-Dombois, assisted by Ruth Gay and Dr. Günter Spatz, hosted a group of distinguished ecologists in reviewing work of the International Biological Program in Hawaii Volcanoes National Park, Kilauea properties of Bishop Estate, and Waiakea Forest Reserve near Hilo, Hawaii. Dr. Mueller-Dombois and the visitors were enroute to Taiwan for a bilateral conference with counterparts from that nation on research in forest ecology. The conference is sponsored by National Science Foundation. The group included scientists from Santa Barbara State College, U. S. Atomic Energy Commission, Texas A & M, University of Illinois School of Forestry, Oregon State University School of Forestry, U. S. Forest Service, University of California, Berkeley (Genetics and Forestry) and Oberlen College as well as University of Hawaii Botany Dept. Local guests on the Hawaii tour included R. E. Nelson of the Institute of Pacific Islands Forestry, and Libert Landgraf and Russell LeBarron of the Division of Forestry. Subsequent to completion of the two-weeks tour Dr. Mueller-Dombois will remain in the Orient until June on other projects.

Chaulmoogra trees in Waiahole Forest Reserve

Four species of Hydnocarpus are recorded as being planted in the Waiahole Forest Reserve during the 1920's. These are H. anthemintica, H. Hutchisonii, H. castanea and H. kurzii (recorded as Taraktogenos Kurzii.) Along the trail from the road down to Waiahole Stream, just inside the Forest Reserve, H. Kurzii is found growing very well. It produces fruit and is reproducing abundantly. Among other exotics at the same place is Dillenia indica (elephant apple), also fruiting heavily. Division of Forestry records show that 10 trees were planted in the Waiahole Forest Reserve in 1929, whether at this location is not known. The chaulmoogra trees are holdovers from the time when leprosy was still a scourge in Hawaii. Chaulmoogra trees were brought in with the assistance from the Division of Forestry to provide a local source of the only curative material known at that time. Today better treatments are available and chaulmoogra oil no longer is used.

R. E. Nelson

SOCIETY BUSINESS

May 1, 1972

1. Introduction of winners of the 15th Annual Science Fair: Glen Yoshida, Randall Tanaka, Lance Shimokawa, and Lon Machida; also Mrs. Edith Watanabe who assisted Fair participants.

2. Ron Hurov reported substantial gains from our efforts to preserve trees threatened by the canal widening project in Ala Moana Park.

3. Announcement that Walter W. Holt has been appointed Chairman of the Centennial Arboretum Committee.

4. First reading of proposed amendments to Constitution and By-Laws.

5. Speaker of the evening, Constance Hartt, Plant Physiologist, (ret., HSPA), Shooting Plants in East and South Africa. (a summary will be published in the October NEWSLETTER.)

June 5, 1972

1. Revisions to Constitution and By-Laws adopted.

2. Ted Green announced 2 summer forays. (See Events)

3. Milton Manhoff reported reluctance of directors of State Fair to enlist participation of organizations such as ours. Motion made and passed to petition Governor to reinstate State Fair as a government managed project.

4. Ron Hurov reported more gains for our position on Ala Moana Park controversy.

5. Plant donation--a great success as always.

6. Numerous replies received acknowledging Society's protests on Molokai introductions, axis deer, and National Park goats.

7. Speaker of the evening, Horace Clay, Assoc. Dean of Special Programs and Community Service. Plants for Hawaiian Gardens (preview of his new book).

PUBLICATIONS

Recent Literature

Publications are reported alphabetically on a round robin basis to fill out the last page or two. The February issue ended with St. John 1971; thus we now begin with Walters, Gerald.

Walters, Gerald A. 1970
Direct seeding of lemon-gum eucalyptus, redwood, and brushbox in Hawaii. U.S.D.A. Forest Service Research Note PSW-212.

Walters, Gerald A. 1971
Survival and growth of Saligna Eucalyptus seedlings treated with a transpiration retardant in Hawaii. Tree Planters' Notes 22(1):2-4

Watson, D. P. 1971
How to Plant a Tree. Extension Leaflet 154, 2 pp., 1971.

Walter, H. (D. Mueller-Dombois translator) 1971(?)
Ecology of tropical and subtropical vegetation Oliver & Boyd, 539 pp.

Warner, R. M. and Gitlin, H. M.
"Effect of Hedge Pruning on Macadamia nut Yields." Hawaii Farm Science 20 (2):8-9, 1971.

Whitesell, Craig D. and Myron O. Isherwood, Jr. 1971
Adaptability of 14 tree species to two hydrol humic latosol soils in Hawaii. U.S.D.A. Forest Service Research Note PSW-236.

Whitesell, Craig D., Herbert L. Wick and Nobuo Honda 1971
Growth response of a thinned tropical ash stand in Hawaii...after 5 years. U. S. Forest Service Res. Note PSW-227. Pacific SW Forest and Range Exp. Sta., Berkeley, Calif. 3 pp., illus.

Wick, Herbert L. and George T. Hashimoto 1971
Frond Development and Stem Growth of Treefern in Hawaii. U. S. Forest Serv. Res. Note PSW-237. Pacific SW Forest and Range Exp. Sta., Berkeley, Calif. 4 pp., illus.

Wood, Hulton B. 1971
Land use effects on the hydrologic characteristics of some Hawaiian soils. Journal of Soil and Water Conservation July-August, Vol. 26, Number 4. 3 pp.

Yee, W.
Air Layering the Lychee: 4 pp., 1971 (revised)

Yee, Warren et al (Members of College of Tropical Ag.) 1970(Sept.)
Papayas in Hawaii, University of Hawaii, Cooperative Extension Service Circular 436.

Brewbaker, J. L.
"Breeding Tropical Supersweet Corn." Hawaii Farm Science 20 (No. 1): 7-10, 1971.

Burgan, Robert E. 1971
Variations in diameter measurements of robusta eucalyptus due to swelling, U. S. Forest Serv. Res. Note PSW-244. Pacific SW. Forest & Range Exp. Sta., Berkeley, Calif. 3 pp., illus.

Burgan, Robert E., Wesley H. C. Wong, Jr., Roger G. Skolmen, and Herbert L. Wick. 1971
Guide to log defect indicators in koa, ohia... preliminary rules for volume deductions. Pacific SW. Forest & Range Exp. Sta., Berkeley, Calif. 4 pp., illus.

Burgan, Robert E. and Wesley H. C. Wong, Jr. 1971
Species trials at the Waiakea Arboretum...tree measurements in 1970. U. S. Forest Serv. Res. Note PSW-240. Pacific SW. Forest & Range Exp. Sta., Berkeley, Calif. 6 pp., illus.

Critchfield, William B. 1971
Profiles of California Vegetation. U.S.D.A. Forest Service Research Paper PSW-76. 21 pages plus 57 double page profiles.

Doty, M. S. 1971
The productivity of benthic frondose algae at Waikiki beach 1967-1968. Haw. Bot. Sci. Paper No. 22. 119 pp.

Eshleman, Alan, S.M. Siegel, B.Z. Siegel 1971
Is mercury from Hawaiian volcanoes a natural source of pollution? Nature 233:5320:471-2 (Oct. 15, 1971)

Hawaii, State of 1972
Report to the Governor, 1970-71, Department of Land and Natural Resources. Published by author 102 pages.

Hirano, Robert T. and Kenneth M. Nagata 1972
A checklist of indigenous and endemic plants of Hawaii in cultivation at the Harold L. Lyon Arboretum. Harold L. Lyon Arboretum, University of Hawaii. 20 pages.

Kim, K.K. and Kunisaki, J.T. and Sagawa, Y.
"Shoot-tip Culture of Dendrobiums." American Orchid Society Bulletin: 1077-1080, 1970. HAES Journal Series 1250.

Nishimoto, Roy K. and Yee, Warren, Y.J. 1971(revised)
A guide to chemical weed control in Tropical and Sub-tropical Fruit and Nut Crops in Hawaii. University of Hawaii Cooperative Extension Serv. Circular 423. 9 pages.

Oren, Joseph and Baker, Gladys E.
"Molds in Manoa: a Study of Prevalent Fungi in Hawaiian Homes." Annals of Allergy 28: 472-481, Oct. 1970.

Siegel, S.M. and Carroll, Paula; Corn, Carolyn; and Speitel, T. "Experimental Studies on the Hawaiian Silverswords (Argyroxiphium spp.): Some Preliminary Notes on Germination." Bot. Gaz. 131 (No. 4): 277-280, 1970.

Skolmen, Roger G. 1971
Processing Hawaii-grown robusta eucalyptus from logs into furniture. Economic Dev. Admin. Tech. Proj., U. S. Dept. of Commerce, Pacific SW Forest & Range Exp.Sta. 15 pp., illus.

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HAWAIIAN BOTANICAL SOCIETY

c/o Department of Botany, University of Ha
3190 Maile Way, Honolulu, Hawaii 96822

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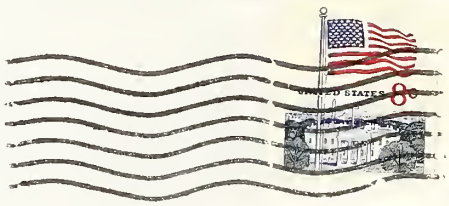
THE HAWAIIAN BOTANICAL SOCIETY NEWSLETTER is published in February, April, June, October, and December. It is distributed to all Society members for the purpose of informing them about botanical news and progress in Hawaii and the Pacific. News contributions and articles are welcomed.

THE HAWAIIAN BOTANICAL SOCIETY was founded in 1924 to "advance the science of Botany in all its applications, encourage research in Botany in all its phases," and "promote the welfare of its members and to develop the spirit of good fellowship and cooperation among them." Any person interested in the plant life of the Hawaiian Islands is eligible for membership in this Society. Dues; regular, $5.00 per year; family, $7.50; college students, $2.00; students below college level, $1.00.

HAWAIIAN BOTANICAL SOCIETY
c/o Department of Botany
University of Hawaii
3190 Maile Way
Honolulu, HI 96822



DR. MARIE HELENE SACHET
SMITHSONIAN INSTITUTION
WASHINGTON, D.C. 20560

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